



Macomb Township Building Department  
54111 Broughton Road  
Macomb, MI 48042

Phone: 586-992-0710  
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## **BUILDING REQUIREMENTS FOR SINGLE FAMILY HOMES**

APPLICATION FORM – Completed and one copy.

PLAN REVIEW WAIVER – Completed (if applicable).

6 PLOT PLANS – Signed and sealed (including adjacent lot setbacks).

2 COMPLETE SETS OF BLUEPRINTS – Including floor plan with square footage on each, cross section, elevations, and truss specs. We do not require blueprints or truss specs with a plan review waiver.

ENERGY PACKAGE – (2003) See attached form. Can be completed by homeowner (if homeowner is builder), heating contractor or engineer.

SOIL EROSION PERMIT – Obtained from the Macomb County Drain Commission (586) 469-5325.

APPLICATION FEE RECEIPT – Paid at Treasurer's office (\$150.00).

COPY OF BUILDERS AND DRIVERS LICENSE – Homeowners building their own home must complete a homeowner affidavit and submit a copy of their driver's license.

TRUSS DETAIL – Must be turned in with application if you are turning in blueprints, but NOT REQUIRED if you are using a plan review waiver.

### **FOR UNPLATTED PARCELS ONLY**

SEPTIC TANK PERMIT - Required only if not tapping in to sewer. Obtained from the Macomb County Health Department. (586) 469-5236

CULVERT PERMIT – Obtained from the Macomb County Road Commission (586) 463-8671. (Required only if home is on a major roadway, not in a subdivision.)

NOTICE OF ADDRESS – Obtained from Macomb Township Supervisor's Office. (Plot Plan is needed with the legal description.)

PARCEL APPROVAL NOTICE – Obtained from Assessor's Office showing valid parcel.

**Abbreviated Report Form N1107.1**  
**Heating Energy Analysis Comparison Report**

Builder's Name:
Project Address:
City/Township/County:

PROPOSED ALTERNATIVE HOUSE		STANDARD DESIGN HOUSE	
ROOF/CEILING (INC. SKYLIGHTS)	SUBTOTALS	ROOF/CEILING (INC. SKYLIGHTS)	SUBTOTALS
$A_1 \quad \quad /R_1 \quad \quad = A_1 /R_1 \quad \quad$ $A_2 \quad \quad /R_2 \quad \quad = A_2 /R_2 \quad \quad$ $A_3 \quad \quad /R_3 \quad \quad = A_3 /R_3 \quad \quad$  $\frac{A_1 /R_1 + A_2 /R_2 + A_3 /R_3}{\text{Total Roof/Ceiling Area}} =$	<div style="border-top: 1px solid black; width: 100px; margin: 0 auto;">Line 1</div>	<div style="border-top: 1px solid black; width: 100px; margin: 0 auto;">Line A</div>	<div style="border-top: 1px solid black; width: 100px; margin: 0 auto;">Line A</div>
<b>GROSS WALL</b>		<b>GROSS WALL</b>	
<b>Opaque Wall (Does not include band joist, windows, doors, etc.)</b>  $A_1 \quad \quad /R_1 \quad \quad = A_1 /R_1 \quad \quad$ $A_2 \quad \quad /R_2 \quad \quad = A_2 /R_2 \quad \quad$ $\frac{A_1 /R_1 + A_2 /R_2}{\text{Total Gross Wall Area}} =$	<div style="border-top: 1px solid black; width: 100px; margin: 0 auto;">Line 2</div>	<div style="border-top: 1px solid black; width: 100px; margin: 0 auto;">Line B</div>	
<b>Band Joist</b> $A \quad \quad /R \quad \quad = A /R \quad \quad =$	<div style="border-top: 1px solid black; width: 100px; margin: 0 auto;">Line 3</div>		
<b>Fenestration and Doors, Windows</b> $A_1 \quad \quad /R_1 \quad \quad = A_1 /R_1 \quad \quad$ $A_2 \quad \quad /R_2 \quad \quad = A_2 /R_2 \quad \quad$ $A_3 \quad \quad /R_3 \quad \quad = A_3 /R_3 \quad \quad$ $\frac{A_1 /R_1 + A_2 /R_2 + A_3 /R_3}{\text{Total Gross Wall Area}} =$	<div style="border-top: 1px solid black; width: 100px; margin: 0 auto;">Line 4</div>		
<b>Doors</b> $A_1 \quad \quad /R_1 \quad \quad = A_1 /R_1 \quad \quad$ $A_2 \quad \quad /R_2 \quad \quad = A_2 /R_2 \quad \quad$ $\frac{A_1 /R_1 + A_2 /R_2}{\text{Total Gross Wall Area}} =$	<div style="border-top: 1px solid black; width: 100px; margin: 0 auto;">Line 5</div>		
<b>Other</b> $A \quad \quad /R \quad \quad = A /R \quad \quad =$	<div style="border-top: 1px solid black; width: 100px; margin: 0 auto;">Line 6</div>		
<b>GROSS WALL SUBTOTAL A/R</b> (Lines: 2+3+4+5+6)		<b>GROSS WALL SUBTOTAL A/R</b> (Lines: 2+3+4+5+6)	
<div style="border-top: 1px solid black; width: 100px; margin: 0 auto;">Line 7</div>	<div style="border-top: 1px solid black; width: 100px; margin: 0 auto;">Line 7</div>	<div style="border-top: 1px solid black; width: 100px; margin: 0 auto;">Line B</div>	



FOUNDATION/FLOOR	SUBTOTALS	FOUNDATION/FLOOR	SUBTOTALS
Floors Over Unconditioned Spaces  A ____ / R ____ = A/R ____ =	_____ Line 8	Floors Over Unconditioned Spaces  ____ x 0.0204 = Total Floor Area (all zones)	_____ Line C
Slab on Grade Floors (Area = Perimeter x 2')  A ____ / R ____ = A/R ____ =	_____ Line 9	Slab on Grade (Unheated)  ____ x $\frac{Z_1 0.0909}{Z_2 0.0769}$ = Total Slab Edge Area Z3 0.050	_____ Line D
Crawl Space Walls (Area: Top foundation wall to average finished grade)  A ____ / R ____ = A/R ____ =	_____ Line 10	Slab on Grade (Heated)  ____ x $\frac{Z_1 0.0769}{Z_2 0.0667}$ = Total Slab Edge Area Z3 0.050	_____ Line E
Basement Walls (Area: Top foundation wall to average finished grade)  A1 ____ / R1 ____ = A1 / R1 ____ A2 ____ / R2 ____ = A2 / R2 ____ A1 / R1 + A2 / R2 =	_____ Line 11	Crawl Space  ____ x 0.050 = Total Crawl Space Wall Area (all zones)	_____ Line F
Basement Windows  A ____ / R ____ = A/R ____ =	_____ Line 12	Basement Walls  ____ x $\frac{Z_1 0.090}{Z_2 0.090}$ = Total Gross Basement Wall Area Z3 0.055	_____ Line G
Total Gross Basement Wall Area			
FOUNDATION/FLOOR SUBTOTAL A/R (Lines: 8+ 9+ 10+ 11+ 12)	_____ Line 13	FOUNDATION/FLOOR SUBTOTAL A/R (Lines: C+ D+ E+ F+ G)	_____ Line H
PROPOSED ALTERNATIVE HOUSE SUB-TOTAL A/R (Lines: 1+ 7+ 13)	_____ Line 14	STANDARD DESIGN HOUSE SUB-TOTAL A/R (Lines: A+ B+ H)	_____ Line I
HEATING EQUIPMENT EFFICIENCY (If the same as Standard House, go to line 16 or 17)  (Oil or Gas Fired) AFUE: ____ %  Line 14: ____ = Adjusted A/R = AFUE: 0. ____	_____ Line 15	HEATING EQUIPMENT EFFICIENCY  (Oil or Gas Fired) AFUE: 78 %  Line I: ____ = Adjusted A/R = AFUE: 0.78	_____ Line J
AIR LEAKAGE RATE (If the same as Standard House, go to line 17)  ____ ACH x ____ ft <sup>3</sup> x 0.018 = Air Changes per Hour Volume of House	_____ Line 16	AIR LEAKAGE RATE  0.55 ACH x ____ ft <sup>3</sup> x 0.018 = Volume of House	_____ Line K
PROPOSED ALTERNATIVE HOUSE TOTAL (Lines: 15+ 16) Equal to or less than line L to pass	_____ Line 17	STANDARD DESIGN LIMIT TOTAL (Lines: J+ K)	_____ Line L